



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

09/930,212

08/16/2001

Ryuji Hotta

212905US3

9211

22850

7590

07/12/2006

OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
1940 DUKE STREET
ALEXANDRIA, VA 22314

EXAMINER

A, PHI DIEU TRAN

ART UNIT

PAPER NUMBER

3637

DATE MAILED: 07/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/930,212	HOTTA, RYUJI	
	Examiner	Art Unit	
	Phi D. A	3637	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 May 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4,6-8,11,13-15 and 25-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4,6-8,11,13-15 and 25-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 3637

1. PRODUCT BY PROCESS CLAIM:

“ The subject matter present is regarded as a product by process claim in which a product is introduced by the method in which it is made. It is the general practice of this office to examine the final product described regardless of the method provided by the applicant.”

The limitations “wherein the fastening member is enabled to be fixed ...by a nail or a screw....with the nail” in claims 1, 7, 8, 14 are treated according to the above office policy with regard to product by process limitations.

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/9/06 has been entered.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1, 4, 6-8, 11, 13-15, 25-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant figures 17-21 in view of Gabriel (2249125), Japan (293890) and Helfrecht (DE 3304806) and Ojala (6279293).

Applicant figures 17-21 shows a fastening member being disposed over an upper rabbeted horizontal edge of a lower siding board (2) and a lower rabbeted horizontal edge of an upper siding board (2), the fastening member is enabled to fixed to the framework by a nail or screw (through the holes 98, 99), the fastening member being of a shape that is elongated in

Art Unit: 3637

lateral directions such that a plurality of studs of the framework that are disposed in a laterally aligned manner may be connected and fixed, the fastening member having a base plate portion abutting against rear side surfaces of siding boards (2) that are vertically disposed, a support portion (92) that is provided to erect frontward from the base plate portion, an upper board engaging portion that is bent in an oblique upward direction from the support portion an upper board engaging portion (93), an upper abutting portion (figure 17, the flat part to the top of part 911), a lower board engaging portion (94) that is bent in an oblique downward direction from the support portion, the base plate portion having an upper abutting portion and a lower abutting portion at its upper and lower portion, a lower rising portion (912) that is respectively formed in a frontward rising manner from the lower abutting portion, the lower rising portion comprising a horizontal plane portion (912) that is arranged to form a **substantially** right angle with respect to the central plate portion(91), a central plate portion being installed to connect the upper rising portion and the lower rising portion and abutting against the rear side surfaces of the siding boards, the support portion (92) is formed to be erected from the central plate portion, the upper rising portion comprising a sloped portion (911) wherein a nail hole is formed on the sloped portion, the siding boards attachment structure is a constructing structure employing a framework wall construction method (inherently so), the nail hole extending along a second axis which is at an oblique angle to the wall surface, the central plate portion being disposed in a plane offset from a plane in which the upper and lower rising portions extend, the second direction being different from the first direction.

Applicant figures 17-21 does not show a lower abutting portion that abut the underlayment at its lower portion, an upper rising portion comprising a horizontal plane portion

Art Unit: 3637

that is arranged to form a substantially right angle with respect to the central plate portion and forming in a frontward rising manner from the upper abutting portion, the lower abutting portion comprising a screw hole, the screw and nail holes being at substantially equal distance from the support portion, the screw hole extending along a first axis in a first direction about perpendicular to a surface of the underlayment on which the fastening member is disposed, the screw hole formed on one side of the support portion and the nail hole is formed on the opposite side of the support portion from the screw hole, the fastening member further comprising a nail positioned through the nail hole along the second axis toward the framework and a screw positioned through the screw hole along the first axis toward the framework.

Gabriel shows underlayment (13) being interposed between a nail or screw and underframe (11).

Japan (figure 1) shows the lower abutting portion (6) having a screw hole (11) being at substantially equal distance from the support portion to that of the other hole (12), the screw hole is formed on one side of the support portion and the other hole is formed on the opposite side of the support portion from the screw hole

Helfrecht shows upper and lower rising portion comprising a horizontal plane portion (32) that is arranged to form a substantially right angle with respect to the central plate portion (34), a lower abutting portion (12) from which the lower rising portion extends frontwardly.

Ojala discloses fasteners (96) attaching a bracket (88) to a substructure, the holes (94) being screw hole when attached by screws (96), the holes (94) being nail hole when attached by nails (96), the fasteners can be either nails or screws (col 9 lines 38-40).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Applicant's figures 17-21 to show a lower abutting portion that abut the underlayment at its lower portion as taught by Helfrecht, an upper rising portion comprising a horizontal plane portion that is arranged to form a substantially right angle with respect to the central plate portion and forming in a frontward rising manner from the upper abutting portion as taught by Helfrecht, the lower abutting portion comprising a screw hole, the screw and the other hole being at substantially equal distance from the support portion, the screw hole is formed on one side of the support portion and the other hole is formed on the opposite side of the support portion from the screw hole as taught by Japan ('890), abutting portions abut the underlayment as taught by Gabriel, the fastening member further comprising a nail positioned through the nail hole along the second axis toward the framework and a screw positioned through the screw hole along the first axis toward the framework as taught by Ojala because having underlayment at the upper and lower portion would provide insulation to the frame structure as taught by Grabriel, having a lower abutting portion that abuts the underlayment at its lower portion, an upper rising portion comprising a horizontal plane portion that is arranged to form a substantially right angle with respect to the central plate portion and forming in a frontward rising manner from the upper abutting portion would enhance the supporting strength of the fastener as taught by Helfrecht, having a horizontal plane portion perpendicular to the central plate portion for the upper rising portion would enhance the supporting strength of the upper rising portion as taught by Helfrecht, and the lower abutting portion comprising a screw hole, the screw and the other fastening holes being at substantially equal distance from the support portion, the screw hole is formed on one side of the support portion and the other hole is formed on the opposite side of the support

Art Unit: 3637

portion from the screw hole as taught by Japan ('890) would enable secure and balance attachment of the fastener to the building frame, the fastening member further comprising a nail positioned through the nail hole along the second axis toward the framework and a screw positioned through the screw hole along the first axis toward the framework would allow for easy and secured fastening of the bracket to the framework, and fasteners like screws and nails are further illustrated by Ojala as being well known and equivalent fastening means on wall mounting structures.

Applicant's figures 17-19 as modified further shows the nail hole extending along a second axis in a second direction different from the first direction, the central plate portion offset from the surface of the underlayment, the structure also is inherently capable of being adapted to function as stated in claims 25-26.

Per claims 4, 11, Applicant figures 17-21 as modified shows all the claimed limitations except for protruding portions projecting frontward from an upper end of the abutting portion and from a lower end of the lower abutting portion.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Applicant's figures 17-21's modified structure to show protruding portions projecting frontward from an upper end of the abutting portion and from a lower end of the lower abutting portion because it would strength the upper and lower abutting portion against bending moments and stress.

Per claims 6, 13, Applicant figures 17-21 as modified shows the lower abutting portion having an abutting surface that is substantially parallel to the central plate portion.

Response to Arguments

1. Applicant's arguments with respect to claims 1, 4, 6-8, 11, 13-15, 25-27 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art shows different fasteners and wall structures .

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phi D A whose telephone number is 571-272-6864. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on 571-272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Phi Dieu Tran A

7/3/06